

Title (en)

Circuit for dimension measuring device with magnetoresistive electrodes

Title (de)

Schaltung für Dimensionsmessgerät mit magnetoresistiven Elektroden

Title (fr)

Circuit électronique pour dispositif de mesure de dimension à électrodes magnétoresistives

Publication

**EP 0924491 B1 20000823 (FR)**

Application

**EP 97811006 A 19971222**

Priority

EP 97811006 A 19971222

Abstract (en)

[origin: EP0924491A1] Supply voltage to measurement circuit can be reduced temporarily to reduce energy dissipation in magnetoresistive electrodes used for taking readings. Electronic circuit for measurement gauge comprises an electrical supply circuit, supplying voltage to network of magnetoresistive electrodes, measurement circuit (30-39) with input (C,C',S,S') connected to electrode network, so that measurement circuit output depends on at least one of the resistances of the magnetoresistive electrodes. Independent claims are made for both a measurement gauge including the modified measurement circuit and a measurement procedure for use with the gauge.

IPC 1-7

**G01B 7/00**; **G01B 7/04**; **H03F 15/00**

IPC 8 full level

**G01B 3/20** (2006.01); **G01B 7/00** (2006.01); **G01B 7/04** (2006.01); **G01D 5/14** (2006.01); **G01D 5/16** (2006.01); **G01D 5/244** (2006.01); **G01D 5/245** (2006.01)

CPC (source: EP US)

**G01B 3/205** (2013.01 - EP US); **G01B 7/003** (2013.01 - EP US); **G01B 7/04** (2013.01 - EP US); **G01D 5/145** (2013.01 - EP US); **G01D 5/24409** (2013.01 - EP US); **G01D 5/2448** (2013.01 - EP US); **G01D 5/2449** (2013.01 - EP US); **G01D 5/2451** (2013.01 - EP US); **G01D 18/001** (2021.05 - EP US)

Citation (examination)

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- JP H01212313 A 19890825 - SANKYO SEIKI SEISAKUSHO KK
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